

LK-POLYWET

LK-POLYWET unique multi-purpose auxiliary for wet processing of polyester and polyester/blended yarns and fabrics. It provides a great deal of utility imparting several desirable properties including wicking, absorbency, soil release, in bath lubrication, detergency and oil scavenging. POLYWET is nonionic in nature and it is compatible with most dyeing and finishing products.

FEATURES

- Acts as a bath lubricant for preparation of dyeing of polyester & poly/blends.
- Helpful as an oil scavenger in both scouring and dyeing.
- Twice as concentrated as most common competitive products.
- Can actually replace the scour procedure for many polyester fabrics processes.
- Imparts wicking characteristics to both oven and knitted polyester fabrics.
- Create a hydrophilic character for polyester yarn and fabric.
- Promote the ready release of oily, food stains on polyester fabrics.
- Acts as a fluorochemical soil release extender.
- Imparts anti-static properties to all types of polyester.
- Provides the lubricity necessary for napping, cutting and sewing.
- Easily applied requiring no extra processing.
- Compatible with most all preparation and dyeing auxiliaries.

APPLICATIONS

- POLYWET is totally water soluble and easily diluted in tap water.
Typical use level based on active are as follows.
 1. 0.5 to 1.0 % o.w.f. added added with preparation chemicals as an oil scavenger.
 2. 0.5 to 1.0 g / L as a lubricant or 2.0 to 3.0 % o.w.f. added in with the dye bath chemicals to totally eliminate the scouring step for 100 % polyester fabrics and yarn.
 3. Dyeing 0.5 o.w.f. as an oil scavenger 0.5 g/L as a lubricant.
 4. Wicking absorbency 1.0 to 2.0 o.w.f. added at the beginning of the aye cycle with the best results being achieved if dyeing temperature are 120 – 130 deg.C.
 5. POLYWET is shelf stable for up to 6 months if kept in a closed container. Package should always remain closed when the product is not in use.

PRODUCT PROPERTIES

	Parameters	LK-POLYWET 15 LK-POLYWET 25
1	Appearance	whitish to translucent liquid
2	Viscosity at 25°C (cps) by B5 cup	60-150
3	% Solid Content @ 110 deg.1 hrs	18-21
4	pH of neat product	2-5

PACKING

50 kg H.D.P.E. carboys and 200-kg drums.

SHELF LIFE

Six months in the original container.

STORAGE & HANDLING

It is recommended that normal safety precautions (hand gloves & safety goggles) be taken while handling the product. The material should be stored in original ELKAY containers in a cool place and protected from direct exposure to sunlight.

The information provided to the customers in this data sheet is intended as a guideline and is provided in good faith. The Information is believed to be accurate. Changes may occur from system to system as methods of use and conditions are beyond our control, hence **users are requested to evaluate the recommendations before actual application to get desired performance.** Elkay does not warrant the recommendations given within for their fitness for use, performance, efficacy or safety. Users are responsible for certification of use of their product and for complying with local legislation. Suggestions of use shall not be taken as inducements to infringe any patents or grant any license under a valid patent and are provided for illustrative purposes only.

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- 1) Finishing used in conjunction with Elkay aminosilicone. This is primarily how it has been used by the mills in India.
- 2) Dye bath lubricant dyeing polyester
- 3) Scouring polyester
- 4) Hydrophilic finish on polyester
- 5) In Surat, primarily for processing polyester Sari fabric
- 6) Used in processing polyester intended for subsequent napping. This has been a big item, which you may know in the marketplace as " Polarfleece" from Maulden mills. This type of fabric is processed in India.
- 7) Static control on polyester
- 8) As " Antibackstaining Agent " of denim jeans garments when processing with enzymes (with or without stones) to prevent the staining of the polyester contained in the sewing thread, labels, and pockets. It is also referred to as " Pocketwhite ": This is also a big area.
- 9) Extender for fluorocarbon finishing
- 10) Another big area, which is still untapped to us and is quite large is its use in liquid and powder laundry detergents to keep the soil from redeposition in the wash.